

# Work Order ID 54358

December 08, 2009 10:26:57 AM



Page 1

Item ID: Accept

Revision ID:

Item Name:

Start Date: 12/8/2009 9: Start Qty: 1.00

Required Date: 12/9/2009 Req'd Qty: 1.00

Reference: ecn 09-702

Cust Item ID:

Customer:

Approvals: Process Plan: mf Date: 09-12-08 Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Run Start

Stop

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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100

Pick Kit

0.00

Packaging

Memo

0.00

Packaging

PULL ALL KITS FROM STOCK LISTED BELOW:

REPLACE 2 WASHERS PER PICK KIT:

WAS: NAS1515H8L

IS : D3672-13

B 54363

MEL OR LINDA WILL MAKE AN ADJUSTMENT FOR NAS1515H8L TO PUT BACK IN STOCK

D350-636-011 X 2

B51731 ✓

B41802 ✓

D350-636-012 X 4

B51620 ✓

B51758 ✓

B51759 ✓

B51916 ✓

D350-636-013 X 5

B45289 ✓

B45614 ✓

B46793 ✓

B47403 ✓

B47576 ✓

D350-636-013UP X 1

B45291 ✓

D350-636-014 X 6

B45615 ✓

B46797 ✓

<b>DART</b>			
TRANSPORT CANADA APPROVAL # 09-89			
P/N	D350-636-014 UP	CHG	CHG004
DESC.	Skidtube Assembly	STC	SH99-7
LOT	B45292	STC	SR00646SE
MODEL	AS350/355	STC	
US PATENT # 5735484 CANADA FOREIGN PATENTS PENDING			
MADE IN CANADA			

<b>DART</b>			
TRANSPORT CANADA APPROVAL # 09-89			
P/N	D350-636-013 UP	CHG	CHG004
DESC.	Skidtube Assembly	STC	SH99-7
LOT	B45291	STC	SR00646SE
MODEL	AS350/355	STC	
US PATENT # 5735484 CANADA FOREIGN PATENTS PENDING			
MADE IN CANADA			

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Work Order ID 54358

December 08, 2009 10:26:57 AM



Page 2

Item ID:

Accept



Setup Start



Revision ID:

Stop



Item Name:

Start Date: 12/8/2009 9: Start Qty: 1.00



Cust Item ID:

Required Date: 12/9/2009 Req'd Qty: 1.00



Customer:

Reference: ecn 09-702

Run Start



Approvals:

Process Plan:

Date:

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Draw  
Number

Draw  
Rev.

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

B47404 ✓  
B47578 ✓  
B50110 -  
B50111 -  
D350-636-014UP X 1 ✓ LD  
B45292 -

ADD DSI 9490 AND NEW WASHERS AND UPDATE TO CHANGE 5 C209/12/09

ID AND STOCK UNDER ORIGINAL BATCH NUMBER AND NEW  
CHANGE NUMBER

ADD DSI 9490 AND NEW WASHERS AND UPDATE TO CHANGE 5

New labels required mf 09-12-08

110



QC

Quality Control

QC4- 100% Inspect kits for completeness

0.00

Memo

0.00

ENSURE ALL KITS ARE UNDER ORIGINAL BATCH NUMBER AND AT  
CHANGE 5

u 09.12.09

Cey/B/S (12)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Work Order ID 54358

December 08, 2009 10:26:57 AM



Page 3

Item ID:

Accept



Setup Start



Revision ID:

Stop



Item Name:

Start Date: 12/8/2009 9: Start Qty: 1.00



Cust Item ID:

Required Date: 12/9/2009 Req'd Qty: 1.00

Customer:

Reference: ecn 09-702

Run Start



Stop



Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Draw  
Number

Draw  
Rev.

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

120

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

09/12/10 *[Signature]*  
mf 09-12-09

<b>DART</b>			
TRANSPORT CANADA APPROVAL # 09-89			
P/N	D350-636-013	CHG	CHG004
DESC.	Skidtube Assembly	STC	SH99-7
LOT	B46793	STC	SR00646SE
MODEL	AS350/355	STC	
US PATENT # 5735484 CANADA FOREIGN PATENTS PENDING			
MADE IN CANADA			

<b>DART</b>			
TRANSPORT CANADA APPROVAL # 09-89			
P/N	D350-636-013	CHG	CHG004
DESC.	Skidtube Assembly	STC	SH99-7
LOT	B45614	STC	SR00646SE
MODEL	AS350/355	STC	
US PATENT # 5735484 CANADA FOREIGN PATENTS PENDING			
MADE IN CANADA			

<b>DART</b>			
TRANSPORT CANADA APPROVAL # 09-89			
P/N	D350-636-013	CHG	CHG004
DESC.	Skidtube Assembly	STC	SH99-7
LOT	B47576	STC	SR00646SE
MODEL	AS350/355	STC	
US PATENT # 5735484 CANADA FOREIGN PATENTS PENDING			
MADE IN CANADA			

<b>DART</b>			
TRANSPORT CANADA APPROVAL # 09-89			
P/N	D350-636-013	CHG	CHG004
DESC.	Skidtube Assembly	STC	SH99-7
LOT	B47403	STC	SR00646SE
MODEL	AS350/355	STC	
US PATENT # 5735484 CANADA FOREIGN PATENTS PENDING			
MADE IN CANADA			

<b>DART</b>			
TRANSPORT CANADA APPROVAL # 09-89			
P/N	D350-636-013	CHG	CHG004
DESC.	Skidtube Assembly	STC	SH99-7
LOT	B45289	STC	SR00646SE
MODEL	AS350/355	STC	
US PATENT # 5735484 CANADA FOREIGN PATENTS PENDING			
MADE IN CANADA			

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

December 08, 2009 10:26:56 AM

Page 1

Work Order ID: 54358



Parent Item:

Parent Item Name:

Comments:

Start Date: 12/8/2009 9:57 Required Date: 12/9/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D3672-13 		Purchased	No				Each	0.0000	38.0000			
Phenolic Washer NAS1515H8L 		Purchased	No				Each	79.0000	-38.0000			
WASHER												

54358  
12/8/09

Warehouse	Loc Qty	Loc Code
Location		
Main Warehouse		
ST	79	
107581	34	
108964	1	
111650	44	

108964

**DART**  
TRANSPORT CANADA APPROVAL # 09-89  
TEL.: 1-613-632-3336  
FAX: 1-613-632-4443  
MADE IN CANADA

P/N	D350-636-012	CHG	CHG004
DESC.	Skidtube RH	STC	SH99-7
LOT	B51620	STC	SR00646SE
MODEL	AS350/355	STC	

US PATENT # 5735484  
CANADA FOREIGN PATENTS PENDING

**DART**  
TRANSPORT CANADA APPROVAL # 09-89  
TEL.: 1-613-632-3336  
FAX: 1-613-632-4443  
MADE IN CANADA

P/N	D350-636-012	CHG	CHG004
DESC.	Skidtube RH	STC	SH99-7
LOT	B51759	STC	SR00646SE
MODEL	AS350/355	STC	

US PATENT # 5735484  
CANADA FOREIGN PATENTS PENDING

**DART**  
TRANSPORT CANADA APPROVAL # 09-89  
TEL.: 1-613-632-3336  
FAX: 1-613-632-4443  
MADE IN CANADA

P/N	D350-636-012	CHG	CHG004
DESC.	Skidtube RH	STC	SH99-7
LOT	B51758	STC	SR00646SE
MODEL	AS350/355	STC	

US PATENT # 5735484  
CANADA FOREIGN PATENTS PENDING

**DART**  
TRANSPORT CANADA APPROVAL # 09-89  
TEL.: 1-613-632-3336  
FAX: 1-613-632-4443  
MADE IN CANADA

P/N	D350-636-011	CHG	CHG004
DESC.	Skidtube LH	STC	SH99-7
LOT	B51731	STC	SR00646SE
MODEL	AS350/355	STC	

US PATENT # 5735484  
CANADA FOREIGN PATENTS PENDING

**DART**  
TRANSPORT CANADA APPROVAL # 09-89  
TEL.: 1-613-632-3336  
FAX: 1-613-632-4443  
MADE IN CANADA

P/N	D350-636-012	CHG	CHG004
DESC.	Skidtube RH	STC	SH99-7
LOT	B51916	STC	SR00646SE
MODEL	AS350/355	STC	

US PATENT # 5735484  
CANADA FOREIGN PATENTS PENDING

**DART**  
TRANSPORT CANADA APPROVAL # 09-89  
TEL.: 1-613-632-3336  
FAX: 1-613-632-4443  
MADE IN CANADA

P/N	D350-636-011	CHG	CHG004
DESC.	Skidtube LH	STC	SH99-7
LOT	B51802	STC	SR00646SE
MODEL	AS350/355	STC	

US PATENT # 5735484  
CANADA FOREIGN PATENTS PENDING

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# List Lots

December 08, 2009 8:38:07 AM

Page 1 of 1

Criteria : Item ID: D350-636-011 All Locations All Warehouses All Quantity

Item ID	Warehouse ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt	Type Code	Comments
Item Name	Location ID				Lot Code		

D350-636-011	Main Warehouse	51731	12/5/2009	1.0000 ✓	QC21	CHG004	
Skidtube LH	FG						
	Main Warehouse	51802	12/5/2009	1.0000 ✓	QC21	CHG004	
	FG						

Total: 2.0000

*Copy 1 of 9*

<b>DART</b>			
TRANSPORT CANADA APPROVAL # 09-89			
P/N	D350-636-014	CHG	CHG004
DESC	Skidtube Assembly	STC	SH99-7
LOT	B50110	STC	SR00646SE
MODEL	AS350/355	STC	
US PATENT # 5735484 CANADA FOREIGN PATENTS PENDING			
MADE IN CANADA			

<b>DART</b>			
TRANSPORT CANADA APPROVAL # 09-89			
P/N	D350-636-014	CHG	CHG004
DESC	Skidtube Assembly	STC	SH99-7
LOT	B47578	STC	SR00646SE
MODEL	AS350/355	STC	
US PATENT # 5735484 CANADA FOREIGN PATENTS PENDING			
MADE IN CANADA			

<b>DART</b>			
TRANSPORT CANADA APPROVAL # 09-89			
P/N	D350-636-014	CHG	CHG004
DESC	Skidtube Assembly	STC	SH99-7
LOT	B46797	STC	SR00646SE
MODEL	AS350/355	STC	
US PATENT # 5735484 CANADA FOREIGN PATENTS PENDING			
MADE IN CANADA			

<b>DART</b>			
TRANSPORT CANADA APPROVAL # 09-89			
P/N	D350-636-014	CHG	CHG004
DESC	Skidtube Assembly	STC	SH99-7
LOT	B50111	STC	SR00646SE
MODEL	AS350/355	STC	
US PATENT # 5735484 CANADA FOREIGN PATENTS PENDING			
MADE IN CANADA			

<b>DART</b>			
TRANSPORT CANADA APPROVAL # 09-89			
P/N	D350-636-014	CHG	CHG004
DESC	Skidtube Assembly	STC	SH99-7
LOT	B47404	STC	SR00646SE
MODEL	AS350/355	STC	
US PATENT # 5735484 CANADA FOREIGN PATENTS PENDING			
MADE IN CANADA			

<b>DART</b>			
TRANSPORT CANADA APPROVAL # 09-89			
P/N	D350-636-014	CHG	CHG004
DESC	Skidtube Assembly	STC	SH99-7
LOT	B45615	STC	SR00646SE
MODEL	AS350/355	STC	
US PATENT # 5735484 CANADA FOREIGN PATENTS PENDING			
MADE IN CANADA			

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

## List Lots

December 08, 2009 8:38:34 AM

Page 1 of 1

Criteria : Item ID: D350-636-012 All Locations All Warehouses All Quantity

Item ID Item Name	Warehouse ID Location ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt	Lot Code	Type Code	Comments
D350-636-012 Skidtube RH	Main Warehouse FG	51620	12/5/2009	1.0000 ✓		QC21	CHG004	
	Main Warehouse FG	51758	12/5/2009	1.0000 ✓		QC21	CHG004	
	Main Warehouse FG	51759	12/5/2009	1.0000 ✓		QC21	CHG004	
	Main Warehouse FG	51916	12/5/2009	1.0000 ✓		QC21	CHG004	
Total:				4.0000				

10/12/09

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# List Lots

December 08, 2009 8:39:03 AM

Page 1 of 1

Criteria : Item ID: D350-636-013 All Locations All Warehouses All Quantity

Item ID Item Name	Warehouse ID Location ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt	Lot Code	Type Code	Comments
D350-636-013 Skidtube LH	Main Warehouse FG	45289	12/5/2009	1.0000 ✓		QC21	CHG004	
	Main Warehouse FG	45614	12/5/2009	1.0000 ✓		QC21	CHG004	
	Main Warehouse FG	46793	12/5/2009	1.0000 ✓		QC21	CHG004	
	Main Warehouse FG	47403	12/5/2009	1.0000 ✓		QC21	CHG004	
	Main Warehouse FG	47576	12/5/2009	1.0000 ✓		QC21	CHG004	
			Total:	5.0000				

12/12/09 (5)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

## List Lots

December 08, 2009 8:39:38 AM

Page 1 of 1

Criteria : Item ID: D350-636-013UP All Locations All Warehouses All Quantity

Item ID Item Name	Warehouse ID Location ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt	Lot Code	Type Code	Comments
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D350-636-013UP  
Skidtube LH

Main Warehouse  
FG

45291

1.0000

QC21

CHG004

Total: 1.0000

*CC 9/12/9 (1)*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



## List Lots

December 08, 2009 8:39:45 AM

Page 1 of 1

Criteria : Item ID: D350-636-014 All Locations All Warehouses All Quantity

Item ID	Warehouse ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt	Type Code	Comments
Item Name	Location ID				Lot Code		
D350-636-014 Skidtube RH	Main Warehouse FG	45615	12/5/2009	1.0000 ✓	QC21	CHG004	
	Main Warehouse FG	46797	12/5/2009	1.0000 ✓	QC21	CHG004	
	Main Warehouse FG	47404	12/5/2009	1.0000 ✓	QC21	CHG004	
	Main Warehouse FG	47578	12/5/2009	1.0000 ✓	QC21	CHG004	
	Main Warehouse FG	50110	12/5/2009	1.0000 ✓	QC21	CHG004	
	Main Warehouse FG	50111	12/5/2009	1.0000 ✓	QC21	CHG004	
Total:				6.0000			

10/9/14/9 (C)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

## List Lots

December 08, 2009 8:40:01 AM

Page 1 of 1

Criteria : Item ID: D350-636-014UP All Locations All Warehouses All Quantity

Item ID Item Name	Warehouse ID Location ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt	Lot Code	Type Code	Comments
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D350-636-014UP  
Skidtube RH

Main Warehouse  
FG

45292

1.0000

QC21

CHG004

Total: 1.0000

1/28/12/9 (1)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# **ENGINEERING CHANGE NOTICE** **DART AEROSPACE LTD**

Date: 09.12.04	Job No.: ENG0110DEC	ADR Yes/No: Y	ADR Date: 09.11.09	ECN #: 09- 702
Product No.: D350-636		Created By: CP	Approved By: <i>MM</i>	
Product Name: SKIDTUBES		Checked By: <i>JS</i>	General Manager Approval:	

Distribution	Reqd	Resp	Initial / Date
Production Manager	Y	LL	
Production Engineering Coord	Y	EC/DD	
Production Document Control	Y	BG	
Customer Technical Support	Y	DStw	

Distribution	Reqd	Resp	Initial / Date
DQA / QA Coord	N		
QC Coordinator	Y	JM	
Marketing	Y	SW	
Customer Order Processing	N		

Reason for Change:  
PAR 09-038

**Documents Affected:**

Release:  
- DSI 9490 Rev. A  
- D3672 Rev. C

**PARTS MUST COMPLY**



**PREVIOUS PARTS SATISFACTORY**



#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3					

#	Engineering Actions	Reqd	Resp	Notes	Complete
4	Required Documents/Drawings Under Review	N			
5	Update Product Compatibility Matrix	N			
6	Create Eurocopter Form (FEE)	N			
7	Notify TC / FAA of Change	Y	CP		

#	Document Control Actions	Reqd	Resp	Notes	Complete
8	Move Electronic Files	Y	KJ		
9	Update Blue/Pink/DSI Folder and Electronic Files	Y	KJ		09.12.07 <i>JS</i>
10	Update Controlled PDF Files	Y	KJ		09.12.07 <i>JS</i>
11	Update Master Document List (MDL)	Y	CP		
12	Update Document Record (DR)	Y	KJ	6212 Rev. A, 636 Rev. H, 646 Rev. B, 742 Rev. I	09.12.07 <i>JS</i>
13	Update Product Development Summary	N			
14	Update QSI 021 and/or STC Approval List	N			
15	Update Parts / STC Database	Y	KJ		09.12.07 <i>JS</i>
16	Update / Verify ARC Database	N			
17	Create / Update Change Record Form / <i>IFAM CARD</i>	Y	KJ	D350-636-011/-012/-013/-014 @ CHG 005	09.12.07 <i>JS</i>
18	Create / Update PPP's	Y	KJ		09.12.07 <i>JS</i>
19	Update Document Control Database / Laminated Dwgs	N			
20	Update Grey Project Binder	Y	CP		09.12.07 <i>JS</i>
21	Update D-Part/M-Drawing/DSI/DEO Master Binders	Y	KJ		09.12.07 <i>JS</i>
22					
23					

**Description / Action:**

- D3672 Rev. C adds an additional washer
- DSI 9490 Rev. A changes (2) NAS1515H6L washers to (2) D3672-13 washers, update pick kits
- D350-636-011/-012/-013/-014 now at CHG 005 with new washers
- Add DSI and new washers to D350-636-011/-012/-013/-014 kits and update to CHG 005

D350-636-011 X 2.  
D350-636-012 X 4  
D350-636-013 X 5  
D350-636-014 X 6  
D350-636-013UP X 1  
D350-636-014UP X 1.

*STOCK*  
*See other page for batch #s/qty's*

**Production**

-D 350-636-011  
B 53863 X 1  
B 53864 X 1  
B 53865 X 1  
B 53866 X 1  
D 350-636-012.  
B 53867 X 1  
B 53868 X 1  
B 53869 X 1

ECN Verified & Complete: \_\_\_\_\_

Date: \_\_\_\_\_

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D350-636 REV. F

REF TCCA STC: SH99-7  
REF FAA STC: SR00646SE

## PURPOSE:

COMPRESSION OF THE PLASTIC NAS1515H8L WASHER CAN CAUSE LOOSENING OF THE BLADE AT THE END OF THE SKIDTUBE.

## CHANGE:

FOR D350-636-011/-012/-013/-14 SKIDTUBES AT CHANGE 005 OR LATER AND D350-636-103/-104 KITS AT CHANGE 002 OR LATER, THE QTY (2) NAS1515H8L WASHERS ARE REPLACED WITH PHENOLIC D3672-13 WASHERS. FOR SKIDTUBES AND KITS AT AN EARLIER CHANGE NUMBER, IT IS ACCEPTABLE TO REPLACE NAS1515H8L WASHERS WITH D3672-13 WASHERS. THE PARTS LIST OF INSTALLATION INSTRUCTIONS IIN-D350-636 REV. F IS AMENDED AS FOLLOWS:

ITEM	QTY -011	QTY -012	QTY -013	QTY -014	QTY -103	QTY -104	PART NUMBER	DESCRIPTION
	X						D350-636-011	SKIDTUBE INSTALLATION, LH
		X					D350-636-012	SKIDTUBE INSTALLATION, RH
			X				D350-636-013	SKIDTUBE INSTALLATION, LH
				X			D350-636-014	SKIDTUBE INSTALLATION, RH
					X		D350-636-103	APICAL FLOAT INSTALLATION KIT, LH
						X	D350-636-104	APICAL FLOAT INSTALLATION KIT, RH

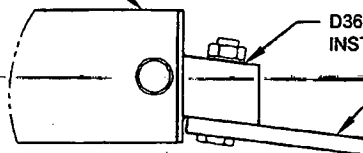
## IS:

11B	2	2	2	2	2	2	D3672-13	WASHER
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## WAS:

11B	2	2	2	2	2	2	NAS1515H8L	WASHER
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AFT END OF SKIDTUBE, REF



D3672-13 WASHER, REF (ITEM 11B)  
INSTALLS UNDERNEATH AN960C816L, REF (ITEM 11A)

BLADE, REF

LOCATION OF WASHER  
(DETAIL D OF IIN-D350-636)

A	NEW ISSUE, PAR 09-038	CP	09.11.04
REV.	DESCRIPTION	BY	DATE
DESIGN	qp	DART AEROSPACE USA, INC	
DRAWN	qp	PORT HADLOCK, WA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9490	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		WASHER CHANGE	NTS
DATE	09.11.04	COPYRIGHT © 2009 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries